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 Data File : VU054347.D
 Acq On : 31 May 2023 18:59
 Operator : JC/MD
 Sample : PB153123ZHE#06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

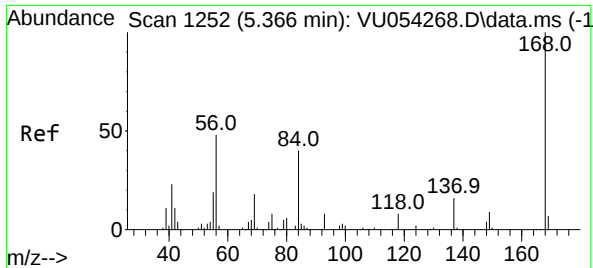
Instrument :
 MSVOA_U
 ClientSampleId :
 PB153123ZHE#06

Quant Time: Jun 01 05:25:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 26 06:40:51 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.369	168	242193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	425122	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	400340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	186195	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	170344	53.653	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.300%	
35) Dibromofluoromethane	5.282	113	139140	50.824	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.640%	
50) Toluene-d8	7.893	98	527588	50.665	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.320%	
62) 4-Bromofluorobenzene	10.629	95	178472	44.202	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 88.400%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.713	142	71	2.354	ug/l #	43
11) Tert butyl alcohol	3.176	59	759	0.885	ug/l #	37
16) Acetone	2.623	43	24376	13.394	ug/l	100
18) Methyl Acetate	2.951	43	5751	0.865	ug/l #	70
20) Methylene Chloride	3.044	84	20340	6.195	ug/l	95
25) 2-Butanone	4.719	43	4708	1.954	ug/l #	89
29) Tetrahydrofuran	5.070	42	654	0.432	ug/l #	26
31) Cyclohexane	5.372	56	4862	1.085	ug/l #	19
36) 1,1-Dichloropropene	5.366	75	18189	4.230	ug/l #	49
37) Ethyl Acetate	4.803	43	42540	8.118	ug/l #	91
38) Carbon Tetrachloride	5.369	117	23733	5.392	ug/l #	15
43) Isopropyl Acetate	5.906	43	164550	22.764	ug/l	98
45) 1,2-Dichloropropane	7.028	63	2160	0.675	ug/l #	43
48) Methyl methacrylate	6.893	41	6609	2.062	ug/l #	28
49) 1,4-Dioxane	7.028	88	99	1.070	ug/l #	1
51) 4-Methyl-2-Pentanone	7.790	43	7267	1.506	ug/l	90
54) cis-1,3-Dichloropropene	7.732	75	59053	11.229	ug/l #	60
56) Ethyl methacrylate	8.455	69	2178	0.451	ug/l #	1
57) 1,3-Dichloropropane	8.719	76	8139	1.458	ug/l #	42
59) 2-Hexanone	8.719	43	100388	26.344	ug/l #	50
74) N-amyl acetate	10.070	43	34357	7.017	ug/l #	48
76) 1,2,3-Trichloropropane	10.629	75	91000	16.746	ug/l #	46
81) trans-1,4-Dichloro-2-b...	10.629	75	91000	63.766	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.851	180	154	1.678	ug/l #	59
94) Hexachlorobutadiene	14.012	225	20	0.830	ug/l #	19
95) Naphthalene	14.102	128	1233	2.077	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.333	180	255	1.313	ug/l #	36

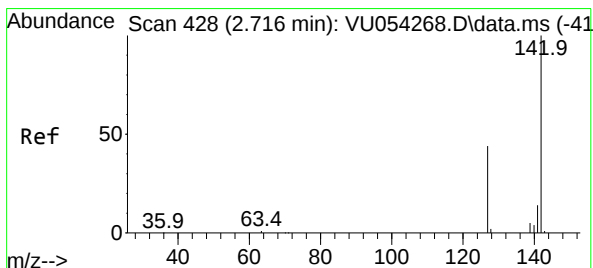
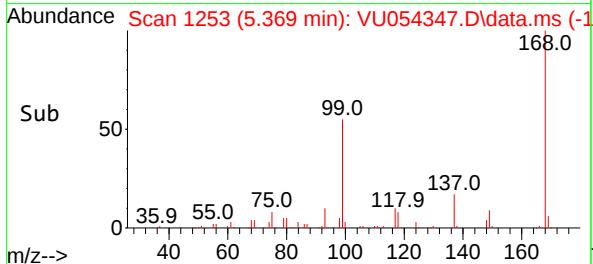
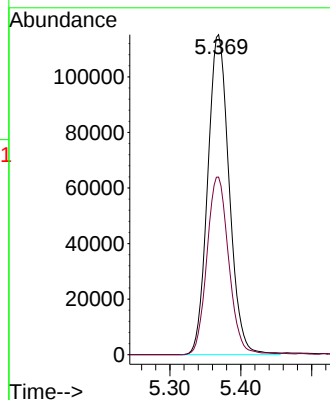
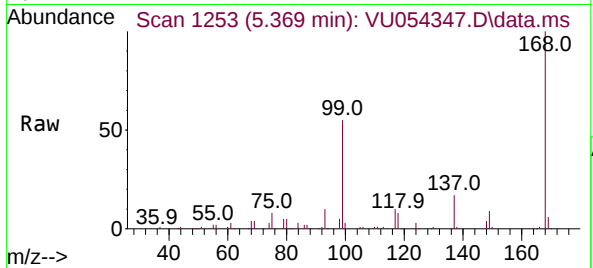
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

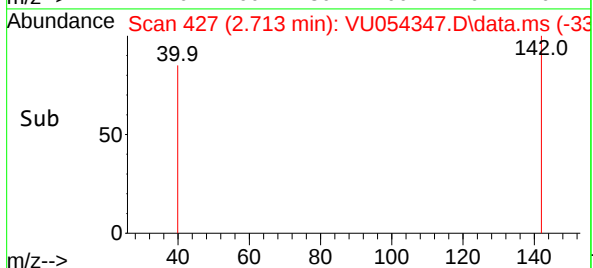
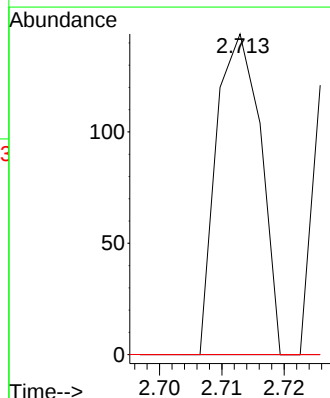
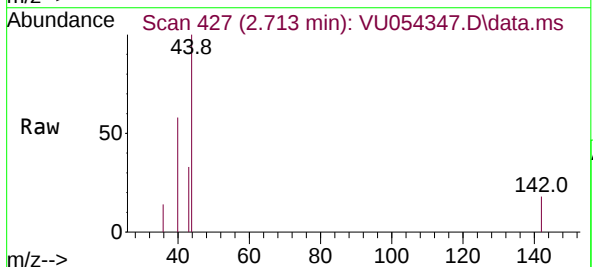
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#06

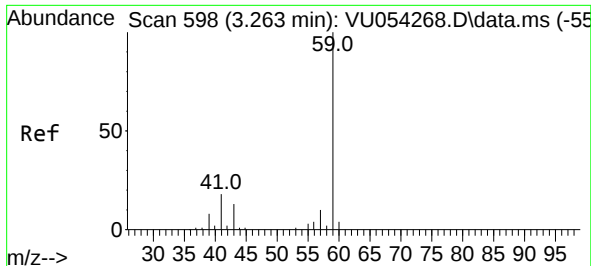
Tgt Ion:168 Resp: 242193
Ion Ratio Lower Upper
168 100
99 55.5 39.3 58.9



#10
Methyl Iodide
Concen: 2.354 ug/l
RT: 2.713 min Scan# 427
Delta R.T. -0.003 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

Tgt Ion:142 Resp: 71
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#

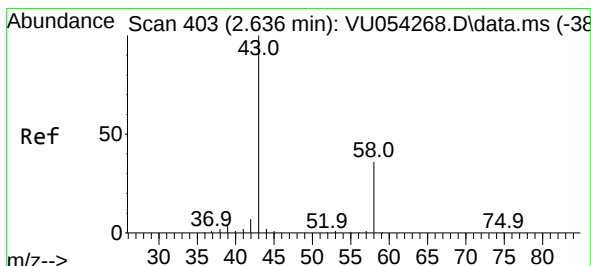
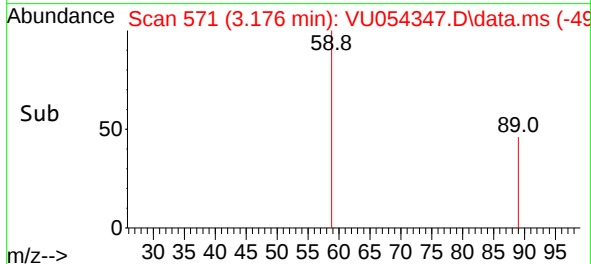
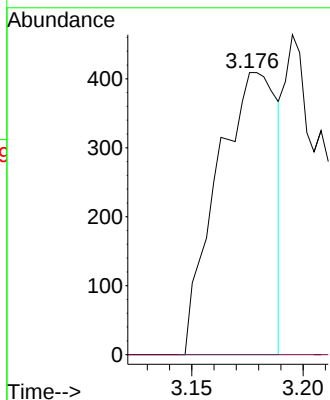
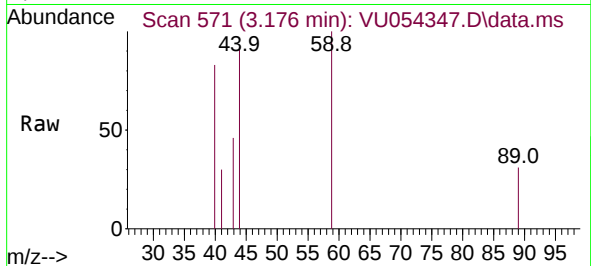




#11
Tert butyl alcohol
Concen: 0.885 ug/l
RT: 3.176 min Scan# 51
Delta R.T. -0.067 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

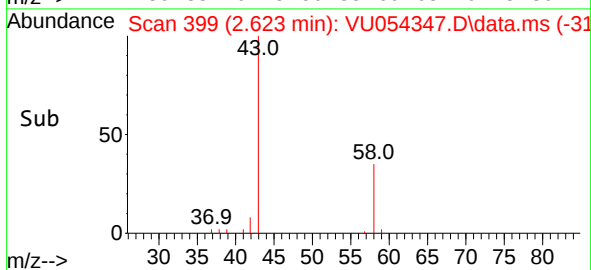
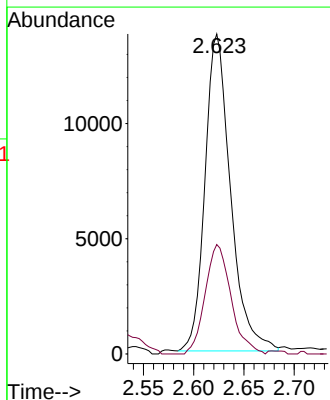
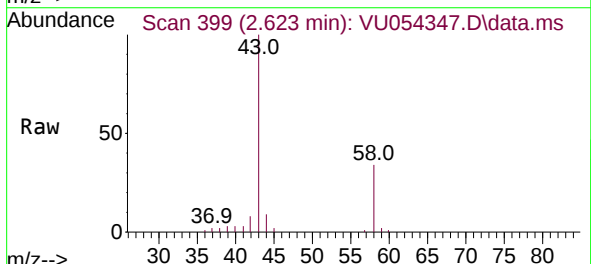
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#06

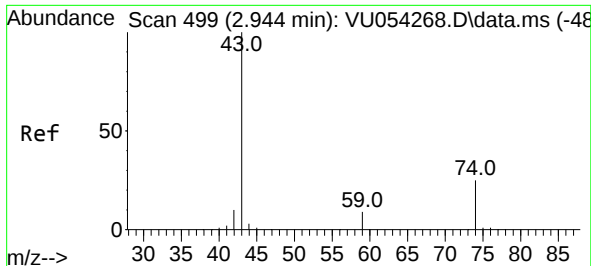
Tgt Ion: 59 Resp: 759
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#



#16
Acetone
Concen: 13.394 ug/l
RT: 2.623 min Scan# 399
Delta R.T. -0.013 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

Tgt Ion: 43 Resp: 24376
Ion Ratio Lower Upper
43 100
58 34.6 27.5 41.3

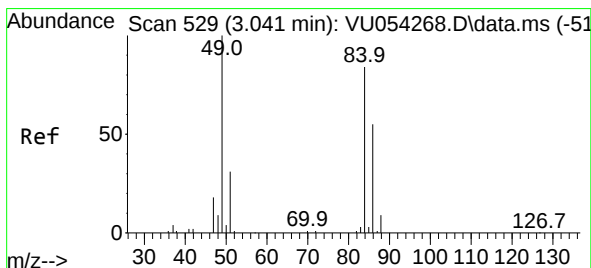
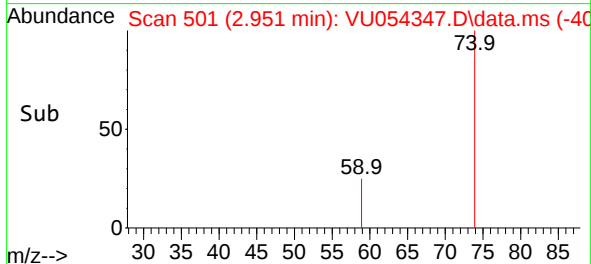
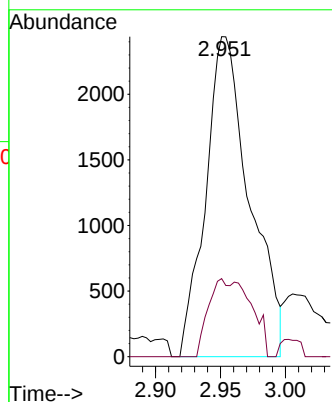
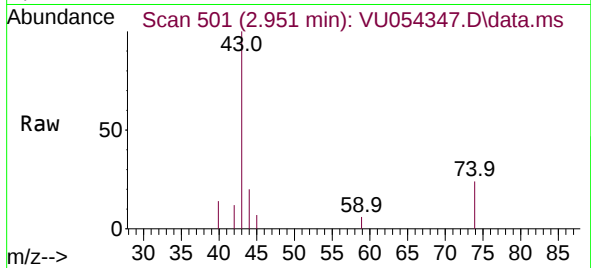




#18
Methyl Acetate
Concen: 0.865 ug/l
RT: 2.951 min Scan# 501
Delta R.T. 0.007 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

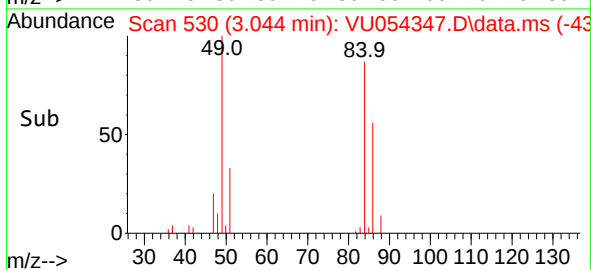
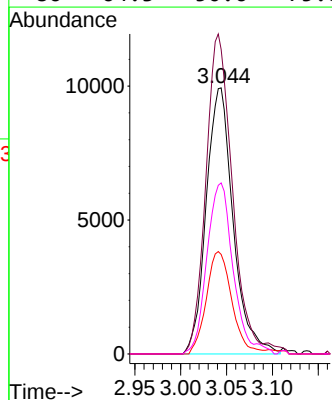
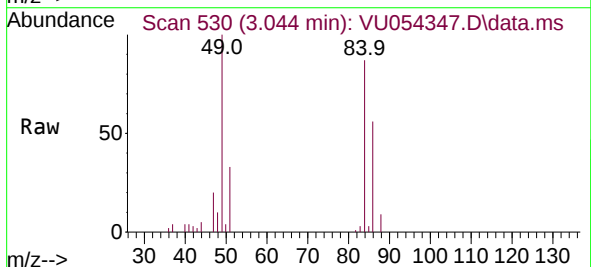
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#06

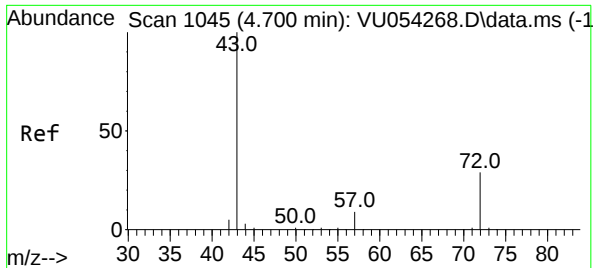
Tgt Ion: 43 Resp: 5751
Ion Ratio Lower Upper
43 100
74 12.1 22.5 33.7#



#20
Methylene Chloride
Concen: 6.195 ug/l
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

Tgt Ion: 84 Resp: 20340
Ion Ratio Lower Upper
84 100
49 114.4 86.6 129.8
51 37.4 26.6 40.0
86 64.3 50.6 75.8





#25

2-Butanone

Concen: 1.954 ug/l

RT: 4.719 min Scan# 110

Delta R.T. 0.019 min

Lab File: VU054347.D

Acq: 31 May 2023 18:59

Instrument :

MSVOA_U

ClientSampleId :

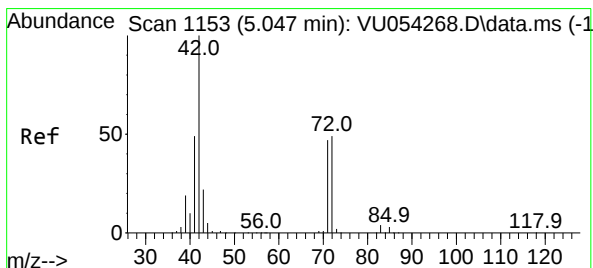
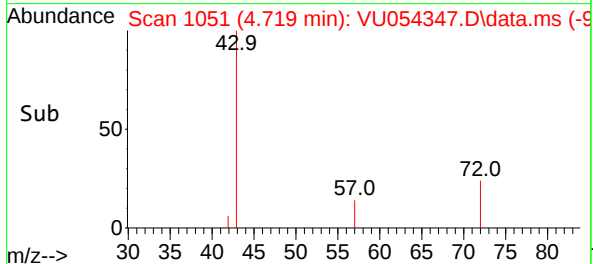
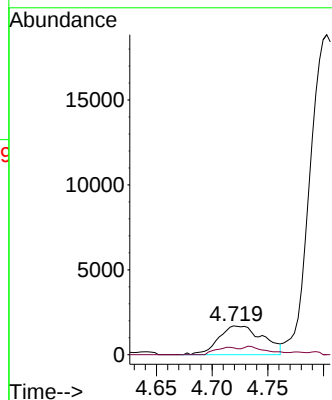
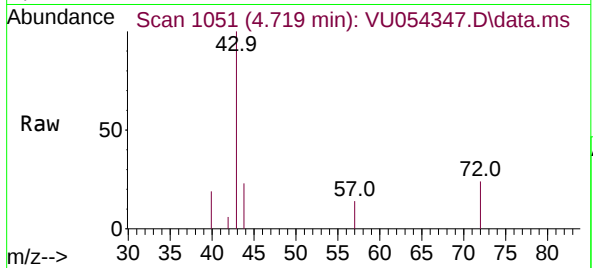
PB153123ZHE#06

Tgt Ion: 43 Resp: 4708

Ion Ratio Lower Upper

43 100

72 23.7 23.8 35.6#



#29

Tetrahydrofuran

Concen: 0.432 ug/l

RT: 5.070 min Scan# 1160

Delta R.T. 0.023 min

Lab File: VU054347.D

Acq: 31 May 2023 18:59

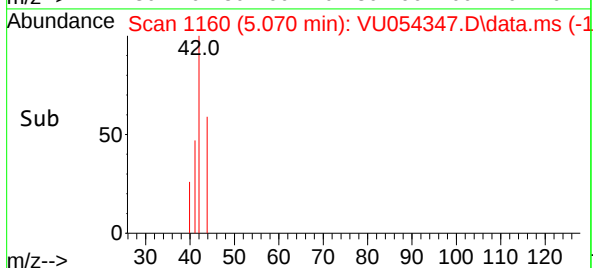
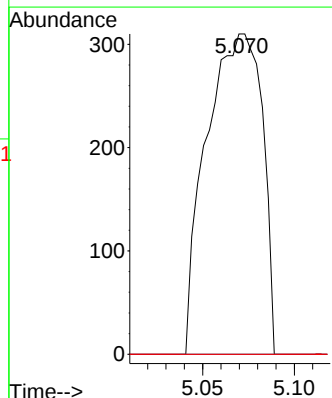
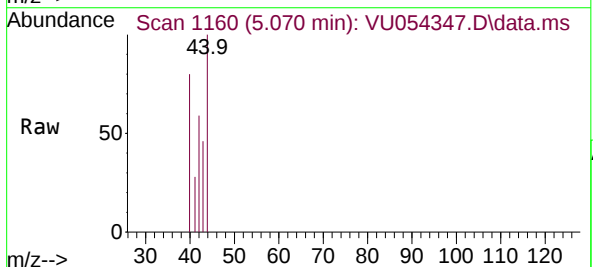
Tgt Ion: 42 Resp: 654

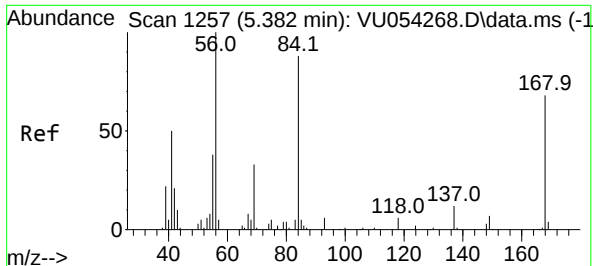
Ion Ratio Lower Upper

42 100

72 0.0 42.6 63.8#

71 0.0 40.3 60.5#

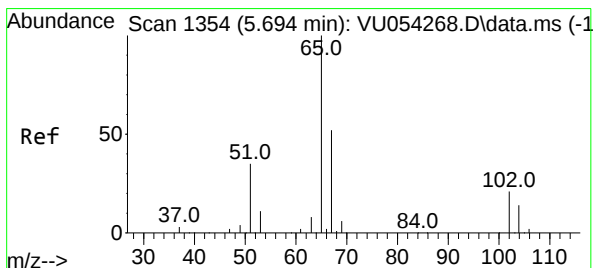
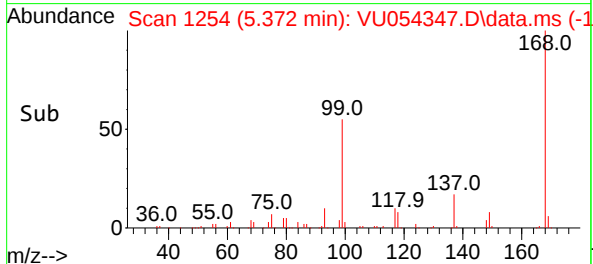
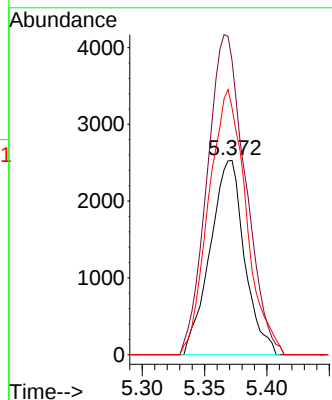
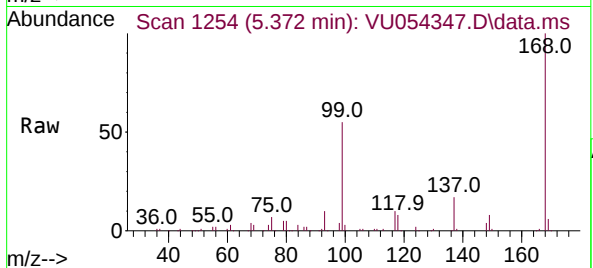




#31
Cyclohexane
Concen: 1.085 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.010 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

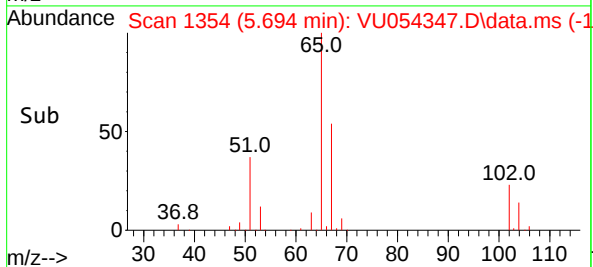
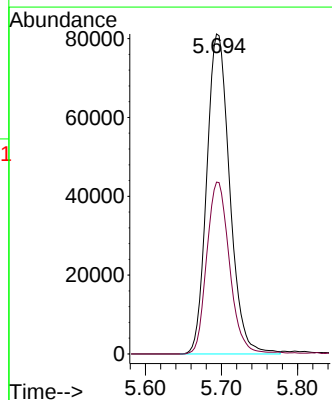
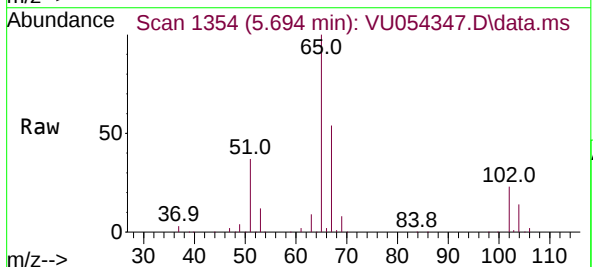
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ClientSampleId :
PB153123ZHE#06

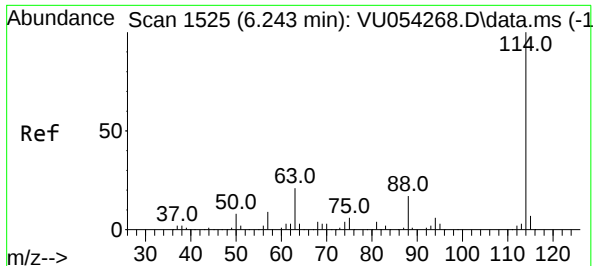
Tgt Ion: 56 Resp: 4862
Ion Ratio Lower Upper
56 100
69 151.3 27.8 41.8#
84 127.0 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 53.653 ug/l
RT: 5.694 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

Tgt Ion: 65 Resp: 170344
Ion Ratio Lower Upper
65 100
67 53.0 0.0 108.0

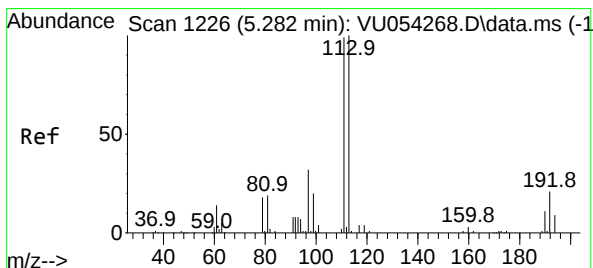
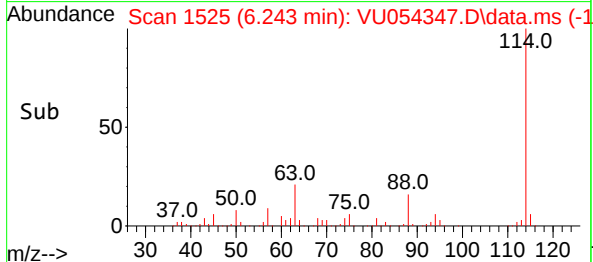
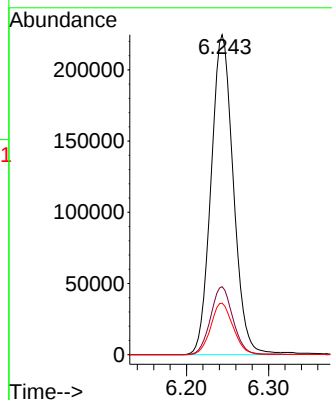
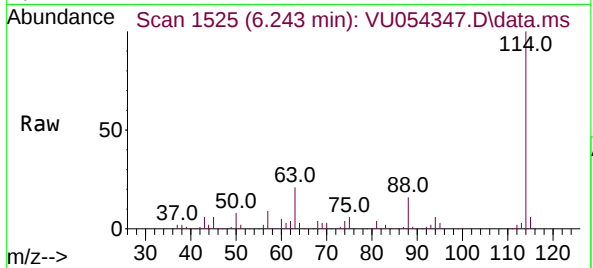




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.243 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

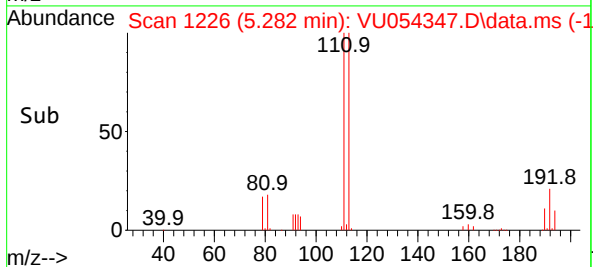
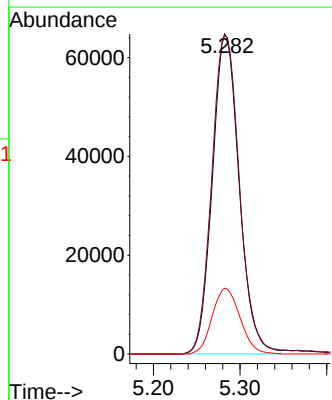
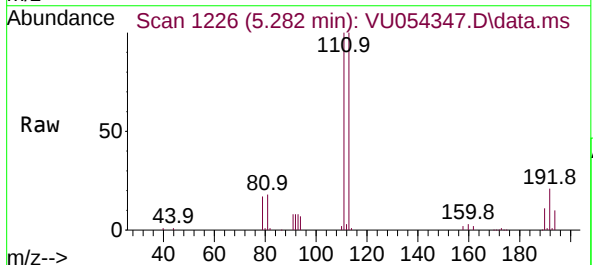
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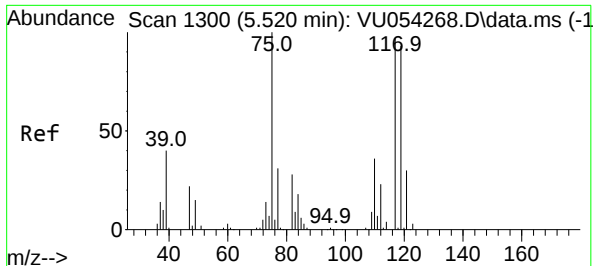
Tgt Ion:114 Resp: 425122
Ion Ratio Lower Upper
114 100
63 21.2 0.0 37.8
88 16.1 0.0 29.2



#35
Dibromofluoromethane
Concen: 50.824 ug/l
RT: 5.282 min Scan# 1226
Delta R.T. -0.000 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

Tgt Ion:113 Resp: 139140
Ion Ratio Lower Upper
113 100
111 103.5 82.1 123.1
192 21.3 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.230 ug/l

RT: 5.366 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU054347.D

Acq: 31 May 2023 18:59

Instrument :

MSVOA_U

ClientSampleId :

PB153123ZHE#06

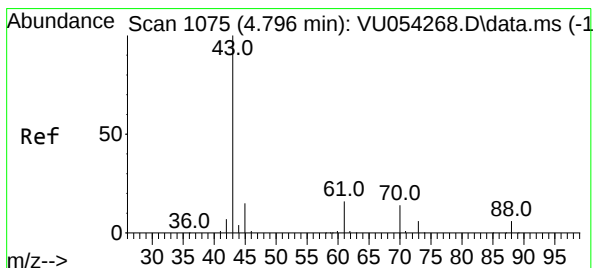
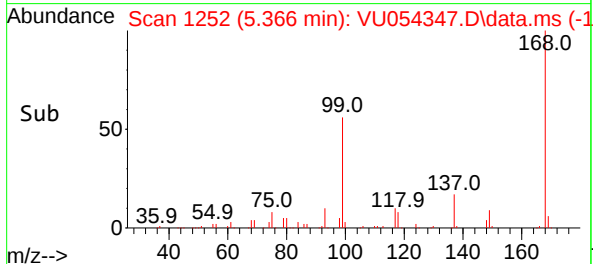
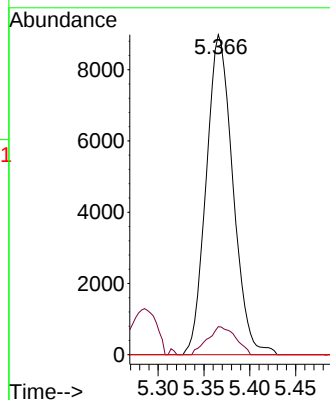
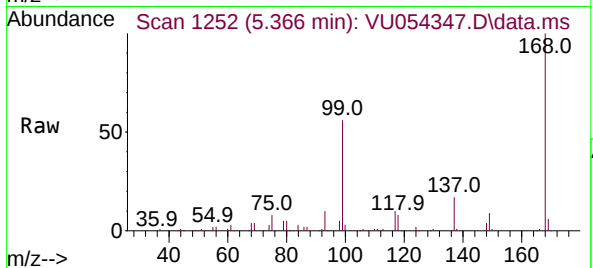
Tgt Ion: 75 Resp: 18189

Ion Ratio Lower Upper

75 100

110 9.2 18.4 55.2#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 8.118 ug/l

RT: 4.803 min Scan# 1077

Delta R.T. 0.007 min

Lab File: VU054347.D

Acq: 31 May 2023 18:59

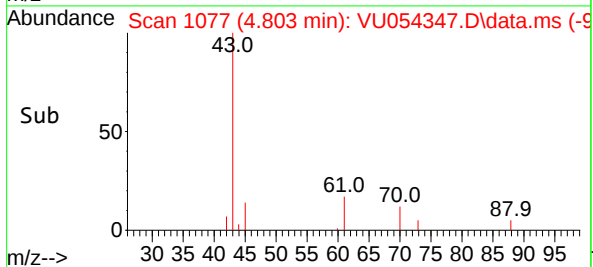
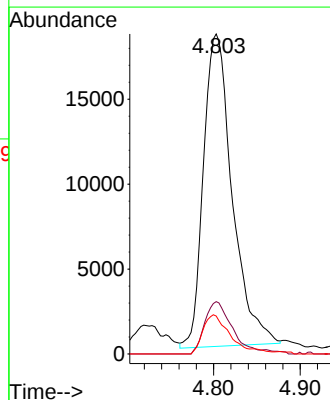
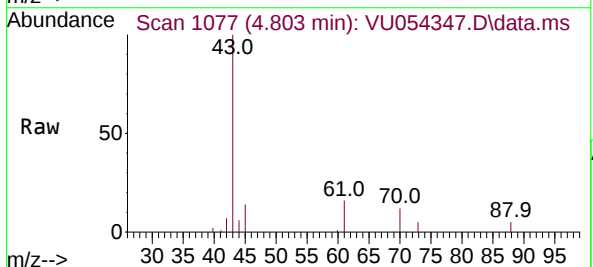
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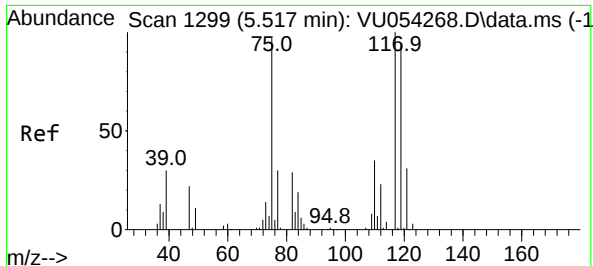
Ion Ratio Lower Upper

43 100

61 15.7 9.5 14.3#

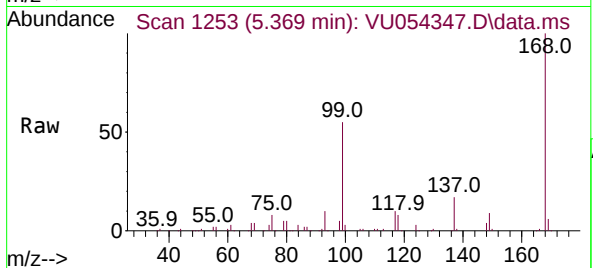
70 12.0 7.5 11.3#



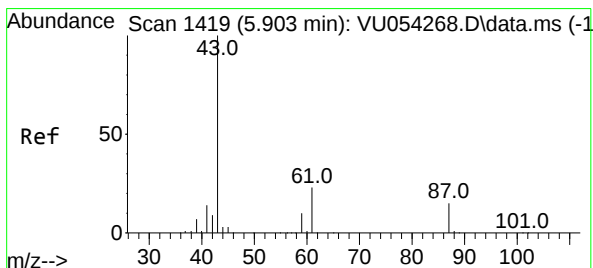
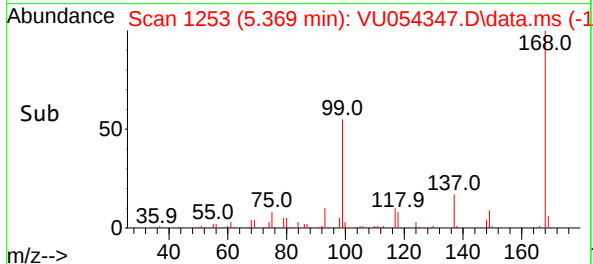
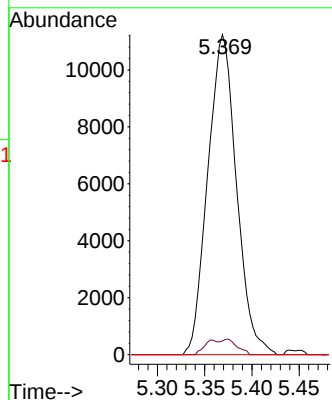


#38
Carbon Tetrachloride
Concen: 5.392 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.148 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#06

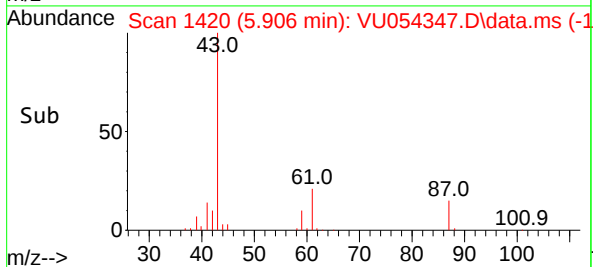
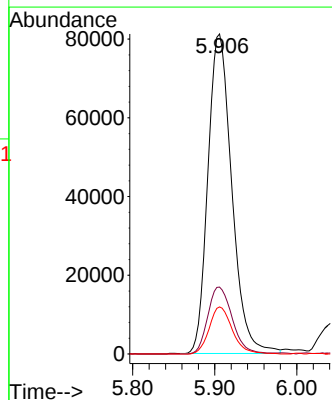
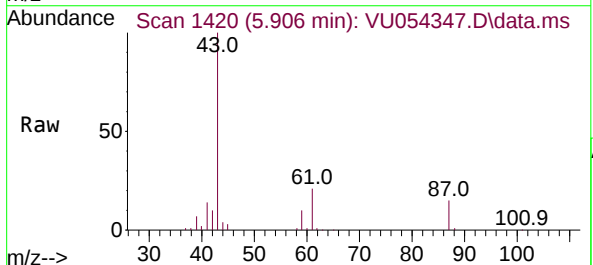


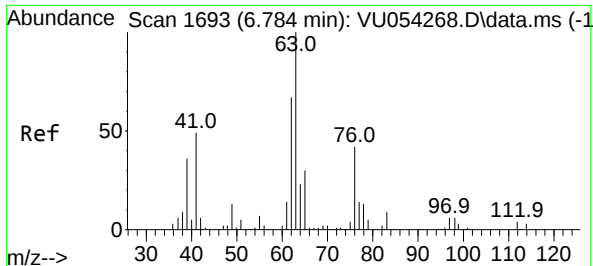
Tgt Ion:117 Resp: 23733
Ion Ratio Lower Upper
117 100
119 4.3 76.8 115.2#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 22.764 ug/l
RT: 5.906 min Scan# 1420
Delta R.T. 0.003 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

Tgt Ion: 43 Resp: 164550
Ion Ratio Lower Upper
43 100
61 21.4 17.4 26.0
87 14.2 12.6 18.8





#45

1,2-Dichloropropane

Concen: 0.675 ug/l

RT: 7.028 min Scan# 11

Delta R.T. 0.244 min

Lab File: VU054347.D

Acq: 31 May 2023 18:59

Instrument :

MSVOA_U

ClientSampleId :

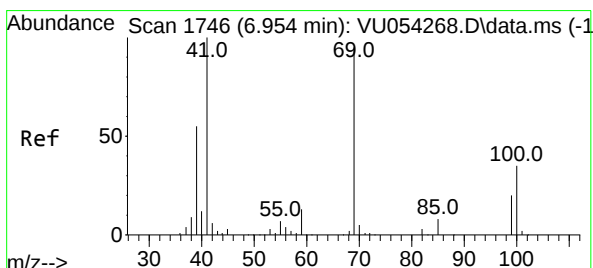
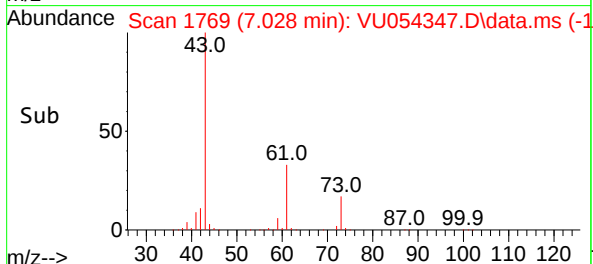
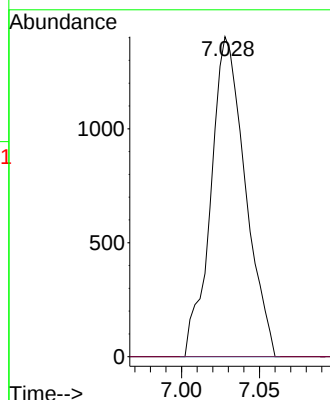
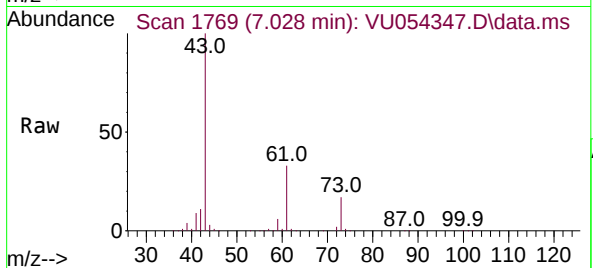
PB153123ZHE#06

Tgt Ion: 63 Resp: 2160

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#



#48

Methyl methacrylate

Concen: 2.062 ug/l

RT: 6.893 min Scan# 1727

Delta R.T. -0.061 min

Lab File: VU054347.D

Acq: 31 May 2023 18:59

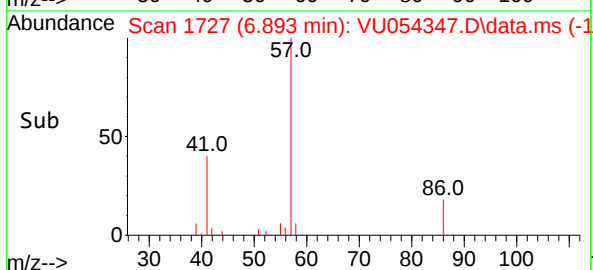
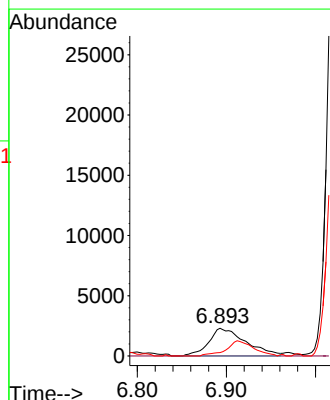
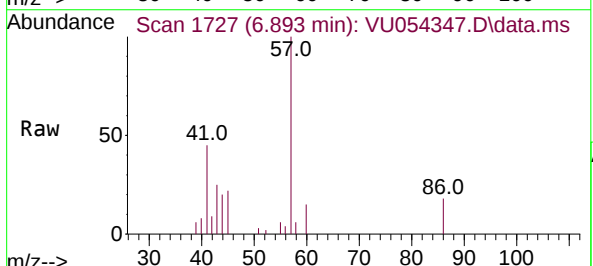
Tgt Ion: 41 Resp: 6609

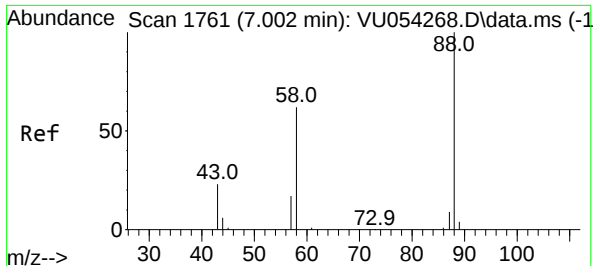
Ion Ratio Lower Upper

41 100

69 0.0 79.8 119.6#

39 40.0 47.9 71.9#





#49

1,4-Dioxane

Concen: 1.070 ug/l

RT: 7.028 min Scan# 11

Delta R.T. 0.026 min

Lab File: VU054347.D

Acq: 31 May 2023 18:59

Instrument :

MSVOA_U

ClientSampleId :

PB153123ZHE#06

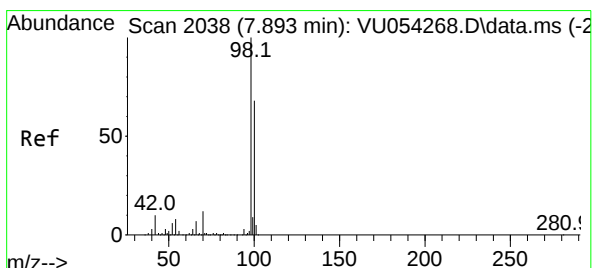
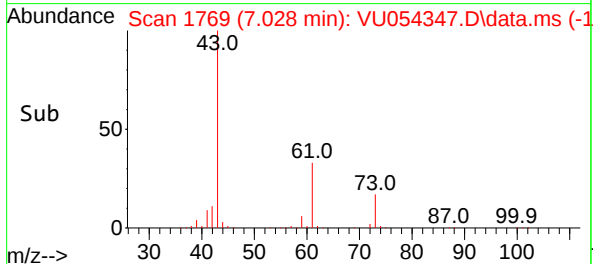
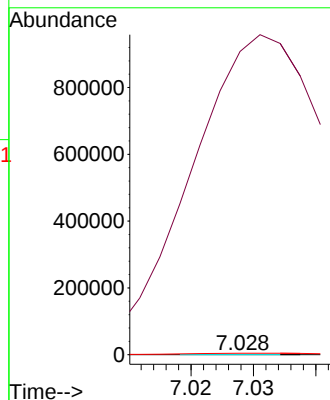
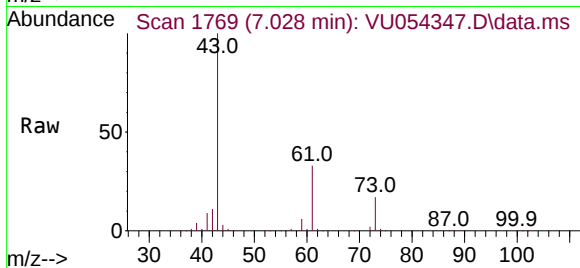
Tgt Ion: 88 Resp: 99

Ion Ratio Lower Upper

88 100

43 1678528.3 0.0 0.0#

58 8269.7 15.4 23.0#



#50

Toluene-d8

Concen: 50.665 ug/l

RT: 7.893 min Scan# 2038

Delta R.T. -0.000 min

Lab File: VU054347.D

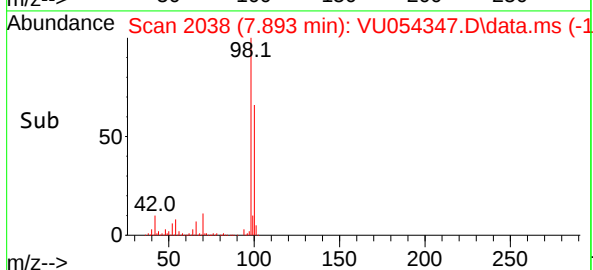
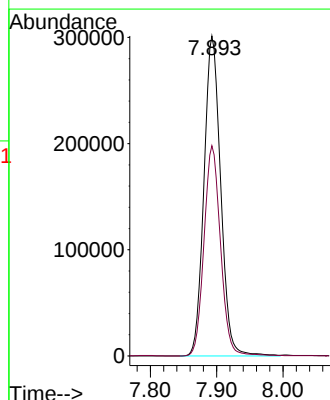
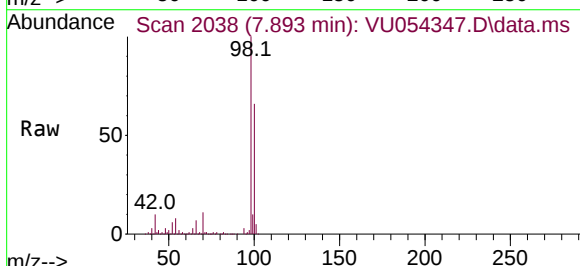
Acq: 31 May 2023 18:59

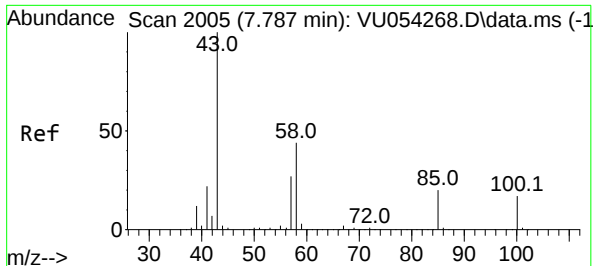
Tgt Ion: 98 Resp: 527588

Ion Ratio Lower Upper

98 100

100 65.0 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 1.506 ug/l

RT: 7.790 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VU054347.D

Acq: 31 May 2023 18:59

Instrument :

MSVOA_U

ClientSampleId :

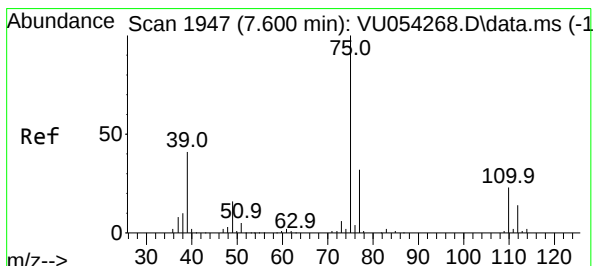
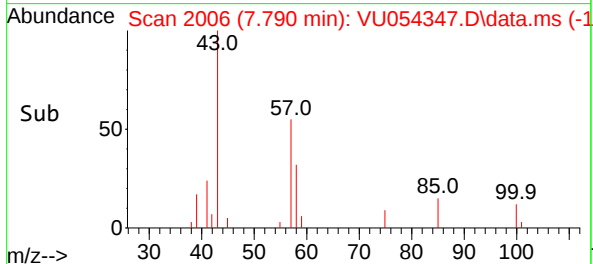
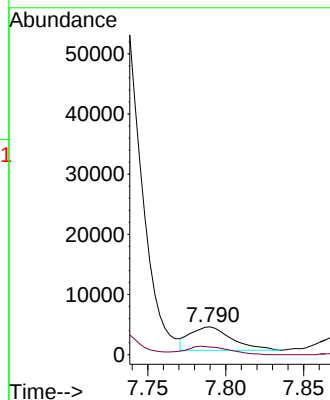
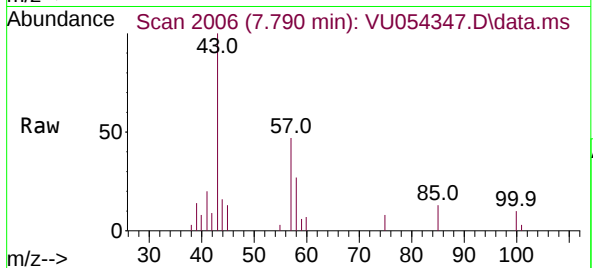
PB153123ZHE#06

Tgt Ion: 43 Resp: 7267

Ion Ratio Lower Upper

43 100

58 36.8 34.7 52.1



#54

cis-1,3-Dichloropropene

Concen: 11.229 ug/l

RT: 7.732 min Scan# 1988

Delta R.T. 0.132 min

Lab File: VU054347.D

Acq: 31 May 2023 18:59

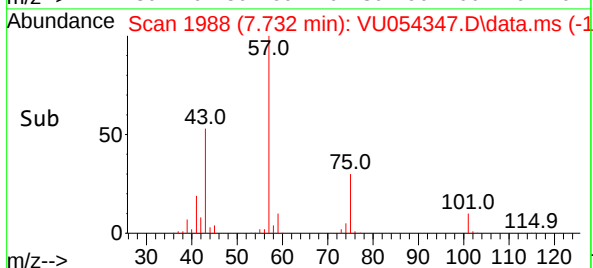
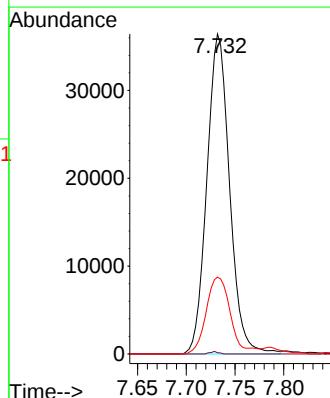
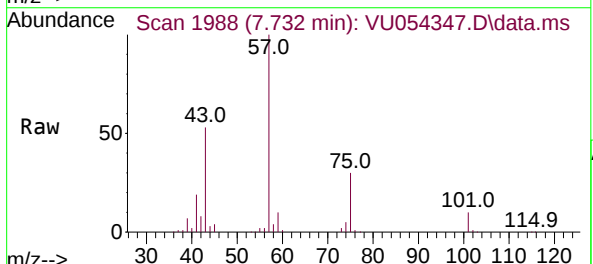
Tgt Ion: 75 Resp: 59053

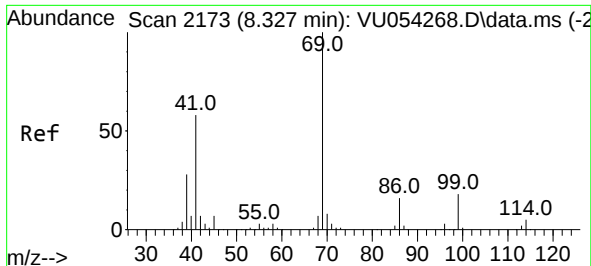
Ion Ratio Lower Upper

75 100

77 0.4 25.7 38.5#

39 24.0 33.0 49.6#

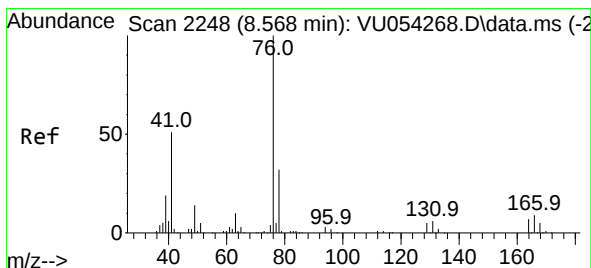
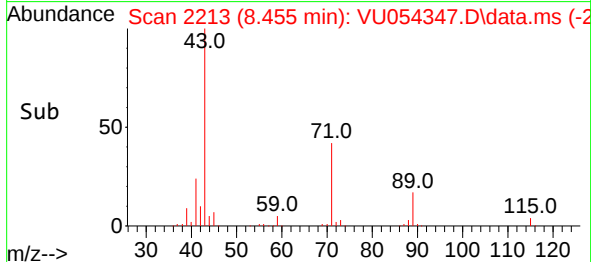
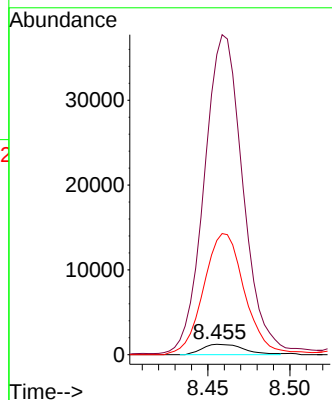
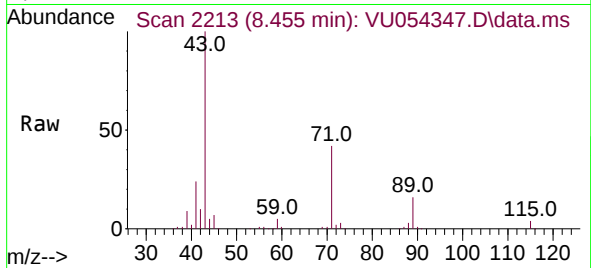




#56
Ethyl methacrylate
Concen: 0.451 ug/l
RT: 8.455 min Scan# 2178
Delta R.T. 0.128 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

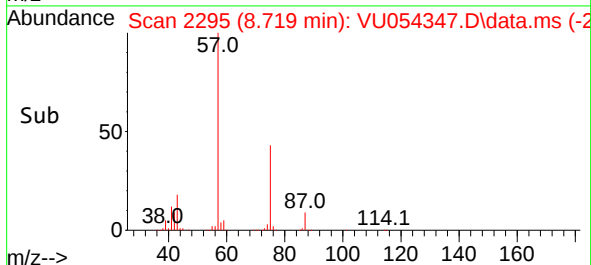
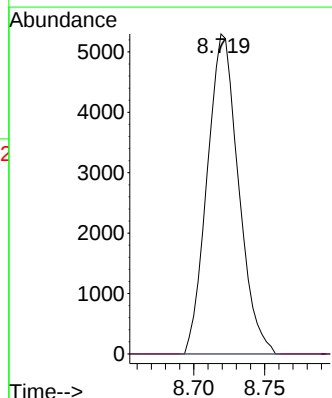
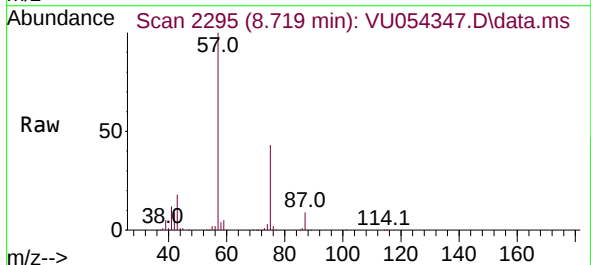
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#06

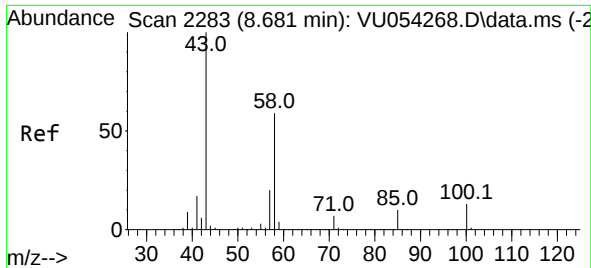
Tgt Ion: 69 Resp: 2178
Ion Ratio Lower Upper
69 100
41 2840.3 45.4 68.0#
39 1145.4 25.7 38.5#



#57
1,3-Dichloropropane
Concen: 1.458 ug/l
RT: 8.719 min Scan# 2295
Delta R.T. 0.151 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

Tgt Ion: 76 Resp: 8139
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

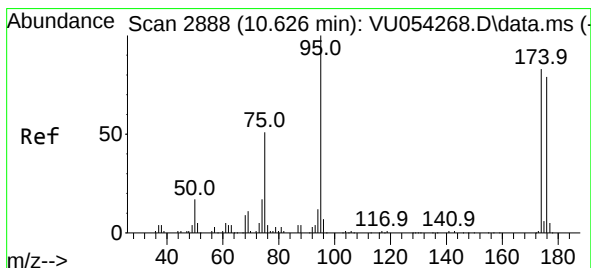
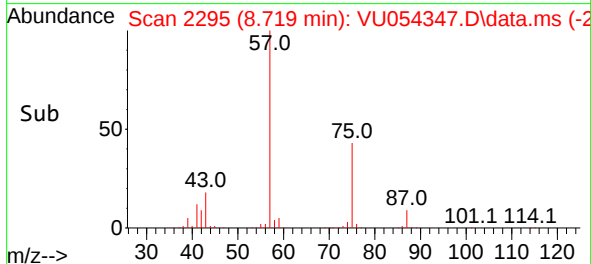
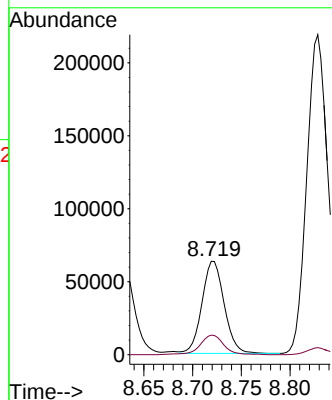
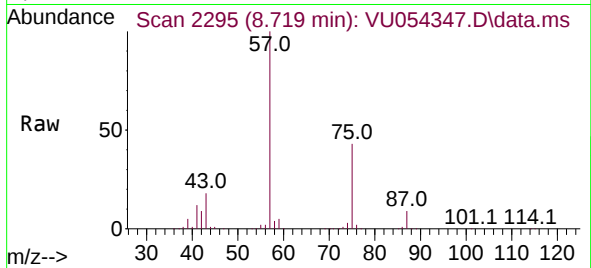




#59
2-Hexanone
Concen: 26.344 ug/l
RT: 8.719 min Scan# 21
Delta R.T. 0.038 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

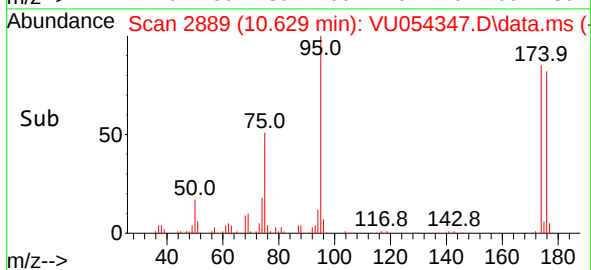
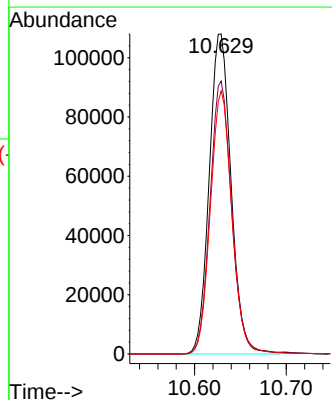
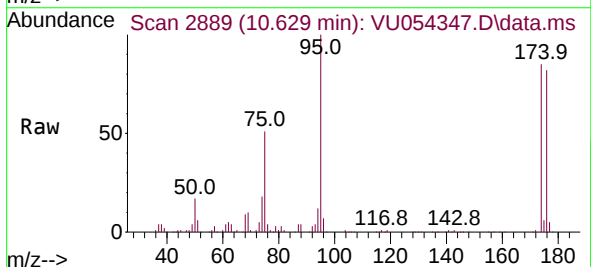
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#06

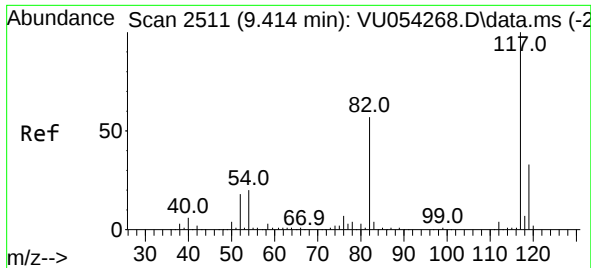
Tgt Ion: 43 Resp: 100388
Ion Ratio Lower Upper
43 100
58 22.7 30.3 90.8#



#62
4-Bromofluorobenzene
Concen: 44.202 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

Tgt Ion: 95 Resp: 178472
Ion Ratio Lower Upper
95 100
174 84.3 0.0 182.0
176 81.2 0.0 177.8

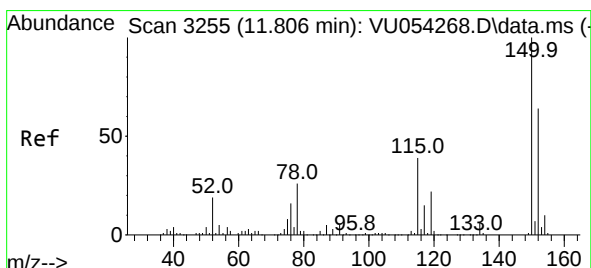
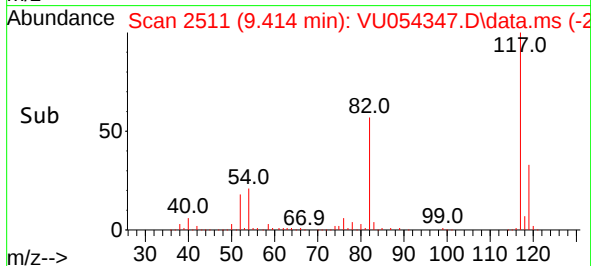
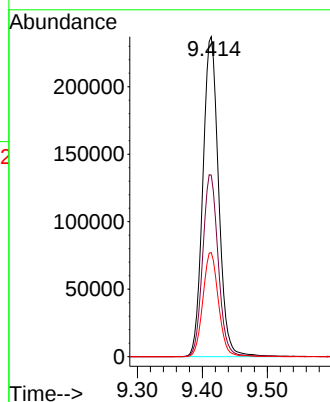
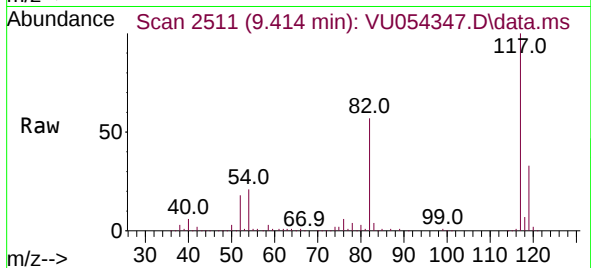




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 2511
Delta R.T. -0.000 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

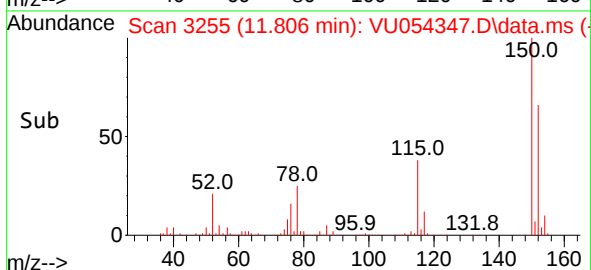
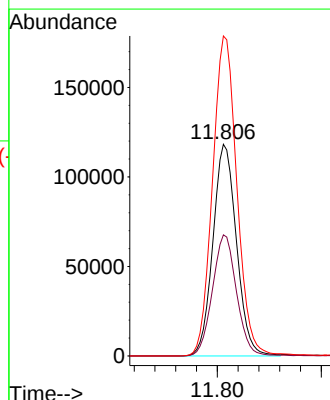
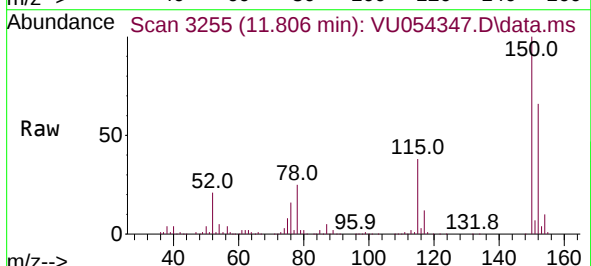
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#06

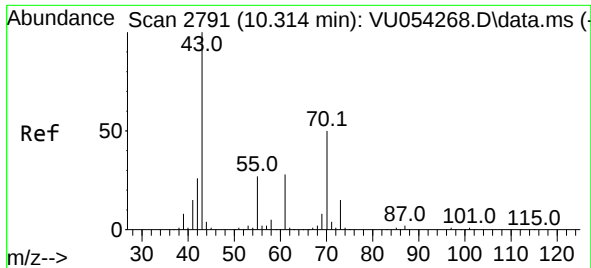
Tgt Ion:117 Resp: 400340
Ion Ratio Lower Upper
117 100
82 56.7 41.7 62.5
119 32.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 3255
Delta R.T. -0.000 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

Tgt Ion:152 Resp: 186195
Ion Ratio Lower Upper
152 100
115 58.4 37.0 110.9
150 156.9 0.0 342.2

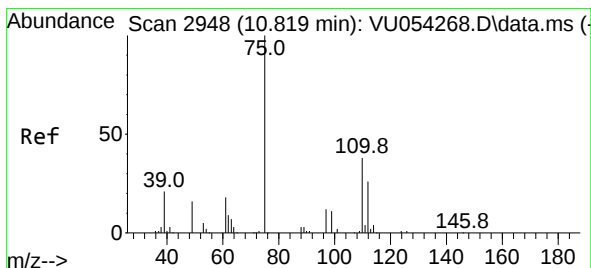
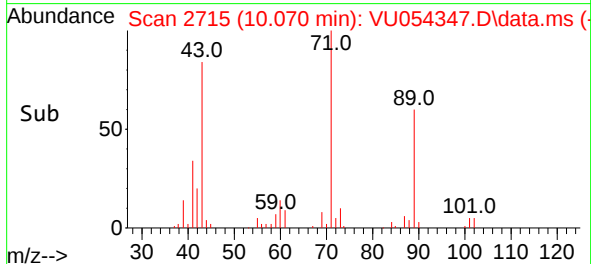
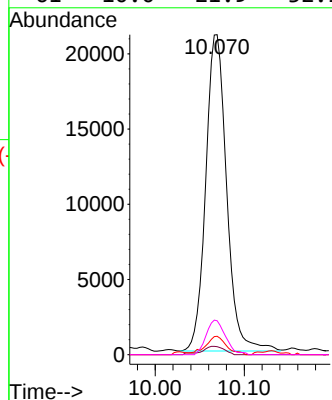
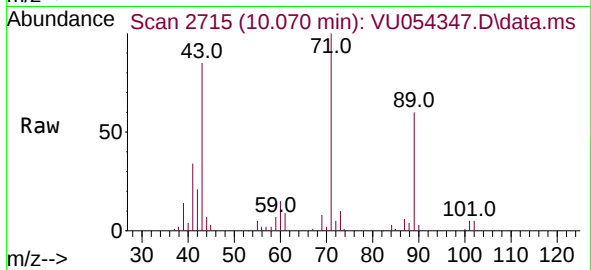




#74
N-amy1 acetate
Concen: 7.017 ug/l
RT: 10.070 min Scan# 21
Delta R.T. -0.244 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

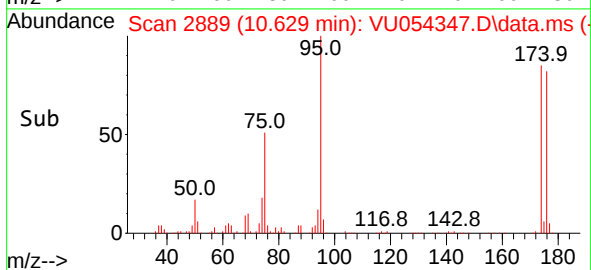
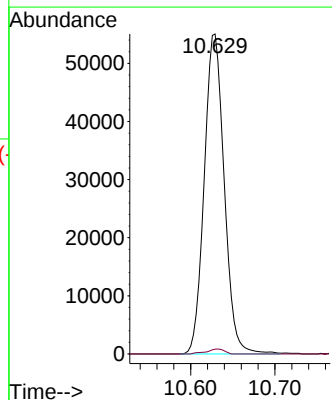
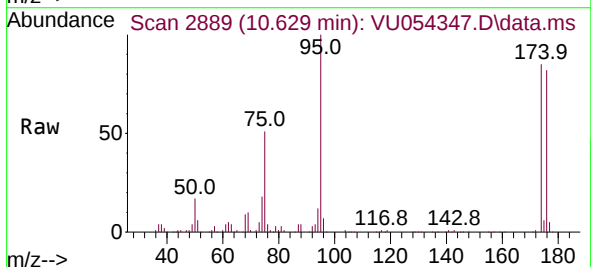
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#06

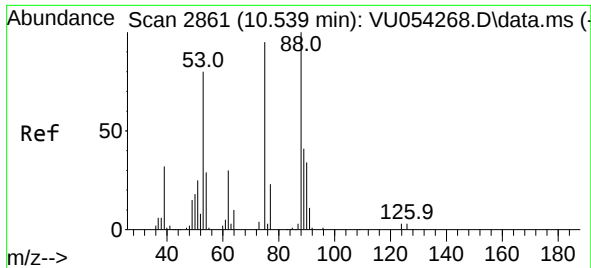
Tgt Ion: 43	Resp: 34357
Ion Ratio	Lower Upper
43	100
70	2.5 38.7 58.1#
55	5.7 21.8 32.8#
61	10.0 21.9 32.9#



#76
1,2,3-Trichloropropane
Concen: 16.746 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. -0.190 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

Tgt Ion: 75	Resp: 91000
Ion Ratio	Lower Upper
75	100
77	1.4 15.8 47.3#

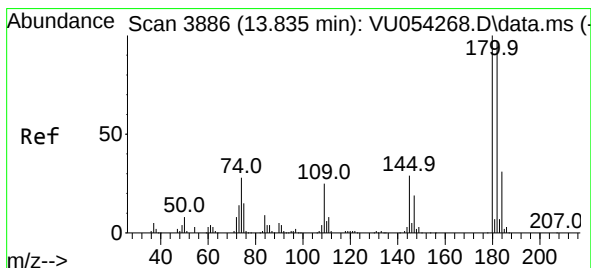
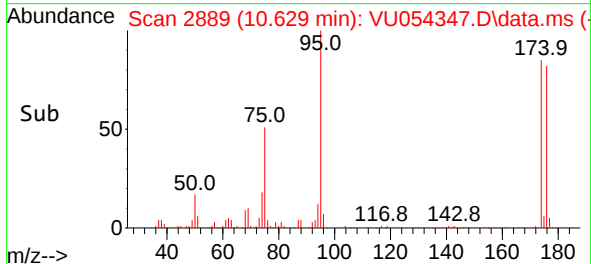
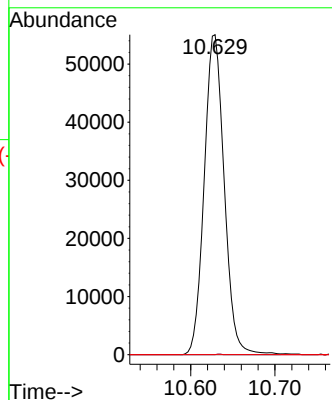
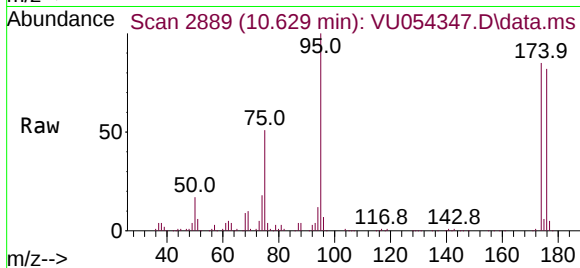




#81
trans-1,4-Dichloro-2-butene
Concen: 63.766 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.090 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

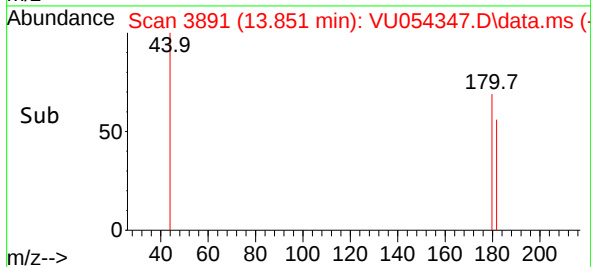
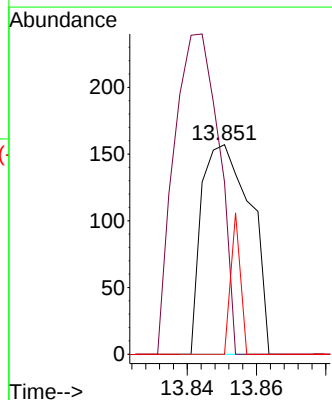
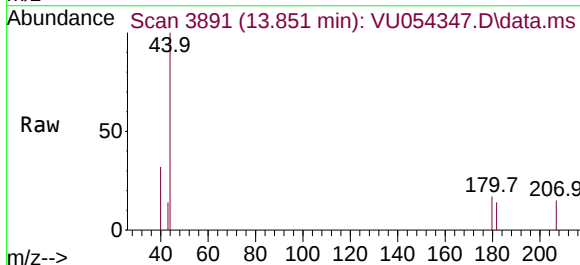
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#06

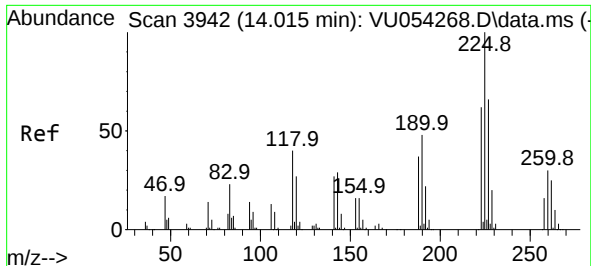
Tgt Ion: 75 Resp: 91000
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.678 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.016 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

Tgt Ion:180 Resp: 154
Ion Ratio Lower Upper
180 100
182 139.0 47.9 143.6
145 13.0 14.0 41.9#

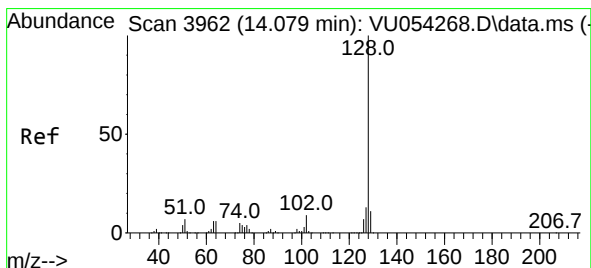
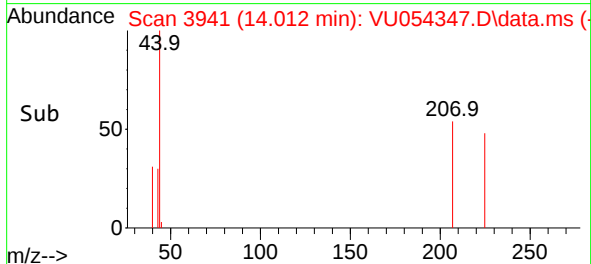
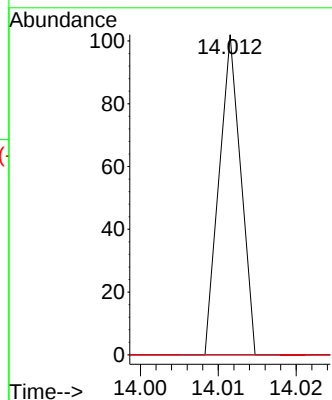
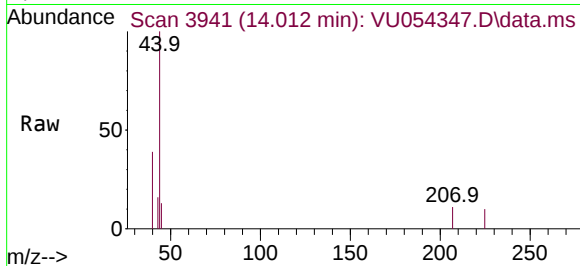




#94
Hexachlorobutadiene
Concen: 0.830 ug/l
RT: 14.012 min Scan# 3942
Delta R.T. -0.004 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

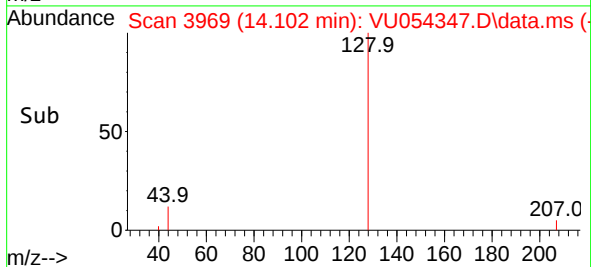
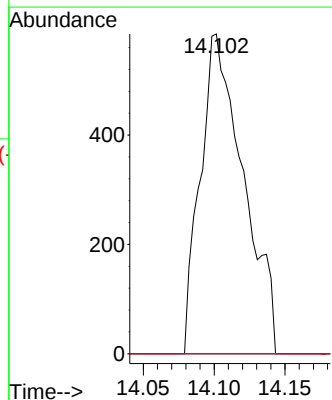
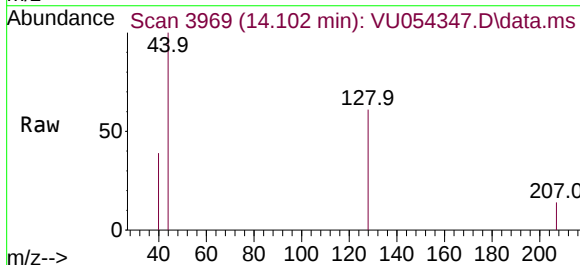
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#06

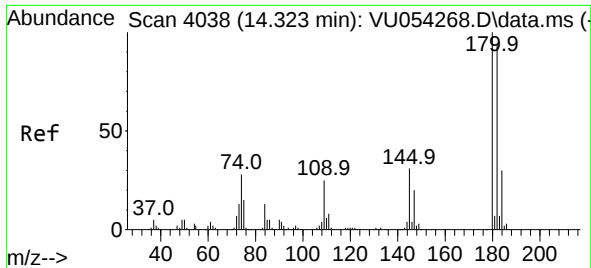
Tgt Ion:	225	Resp:	20
Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.3	93.9#
227	0.0	32.0	96.2#



#95
Naphthalene
Concen: 2.077 ug/l
RT: 14.102 min Scan# 3969
Delta R.T. 0.023 min
Lab File: VU054347.D
Acq: 31 May 2023 18:59

Tgt Ion:	128	Resp:	1233
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#





#96

1,2,3-Trichlorobenzene

Concen: 1.313 ug/l

RT: 14.333 min Scan# 40

Delta R.T. 0.010 min

Lab File: VU054347.D

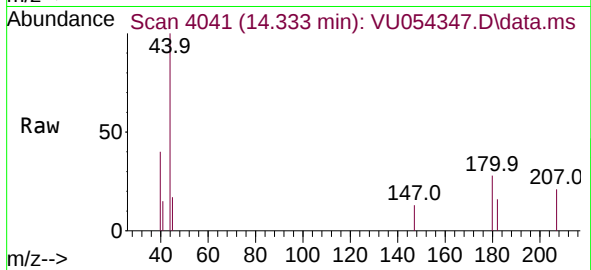
Acq: 31 May 2023 18:59

Instrument :

MSVOA_U

ClientSampleId :

PB153123ZHE#06



Tgt Ion:180 Resp: 255

Ion Ratio Lower Upper

180 100

182 31.4 48.4 145.0#

145 0.0 14.8 44.4#

